

KNX RS-485 Gateway 880 (rail mounted)

RS-485 Gateway for KNX Bus

Data sheet

Application

The KNX RS-485 Gateway 880 is used to connect devices with RS-485 Interface to KNX bus.

Since no standard RS-485 protocol is defined, the application must be created specifically for the necessary requirements.

This includes the implementation of the corresponding telegram format for RS-485 and the definition of the required group objects on the KNX side. For this, an individual database for the ETS can be created.

The KNX RS-485 Gateway 880 is especially suitable as a platform for OEM products.

For the connection of your system, please contact Weinzierl Engineering.

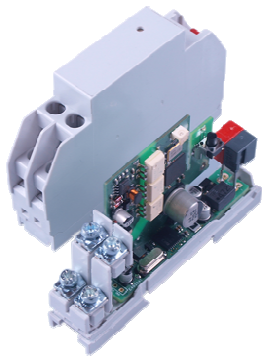


Fig. 1: Photo of the device

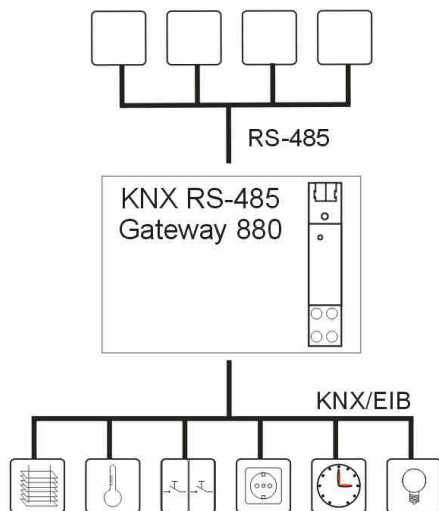


Fig. 2: Typical application

Technical data

Electrical safety

- Protection classification (EN 60529): IP 20
- Safety extra low voltage SELV DC 30 V
- Galvanic isolation: 4 kV DC

EMC requirements

- Complies with EN 50090-2-2 and EN 50491-5-2

CE norm

- Complies with the EMC regulations (residential and functional buildings) and low voltage directive

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. Non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 % ... 93 %

Mechanical data

- Housing: Plastic
- Rail mounted device, width: 18 mm
- Weight: approx. 45 g

Indicator

- Signal-LED (green) for KNX-connection and communication

Power supply

- KNX-Side: The device is supplied by KNX bus.
- Current consumption: ca. 5 mA
- RS-485-Side: The device needs supply voltage of 12-24 V DC
- Power consumption: < 200 mW

Connectors

- KNX: KNX connector
- RS-485-connector with supply voltage: Screw-type terminal, 4-pole

Protocol

- Custom-designed



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